

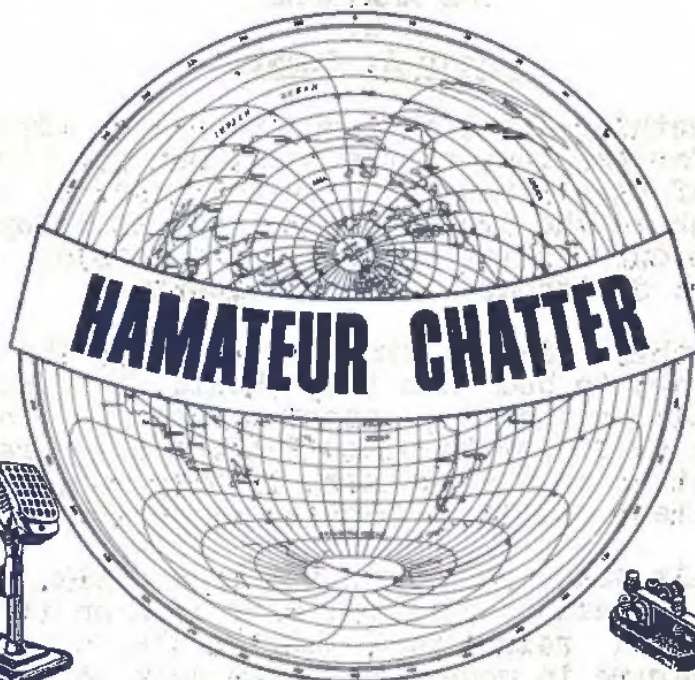
# The Milwaukee Radio Amateurs' Club, Inc.

*The World's Oldest Continuously Active Radio Amateur Club*

Fred H. Zolin  
W9ONY  
Editor

Russ Burss  
W9TAF  
Publisher

14th ISSUE



Jim Rich  
K9CZK  
DK Editor

February  
1960

**HAMS AROUND THE WORLD**

PUBLISHED PERIODICALLY BY M.R.A.C. IN THE INTEREST OF OUR MEMBERSHIP AND AMATEUR RADIO

\*\*\*\*\*  
Address all correspondence relative to this bulletin to Fred H. Zolin, W9ONY, 2443 N. Cramer Street, Milwaukee 11, Wisconsin.  
\*\*\*\*\*

## THE 2ND VICE PRES. W9RKP SAYS

"New hams and likewise potential club members are being born every day. I sincerely believe all amateurs should belong to some radio club and our own MRAC has long had the reputation of being one of the finest clubs in the land. Stop and think how our privileges may well have been curtailed these past few decades if it were not for the efforts of organized groups of amateurs, such as our own club. So let's all get acquainted with that new ham in the next block, tell him why he should belong to a radio club and make a real effort to have him join our club. It surely would be nice if each one of us could bring in just one new member."

\*\*\*\*\*



THE AMATEURS  
by  
Edgar A. Guest.

There's something about them you've got to admire.  
They work for the love of the task, not for hire.  
Every one of them's blessed with the heart of a boy!  
What's a job to the drudged, unto them is a joy.  
While we to our regular schedules are keeping,  
The amateurs dwithout eating or sleeping.

They worry their wives - since so short is the day -  
They don't get to bed when they should, but they stay  
Sending calls on the air; catching calls from afar -  
And I think as I hear them how patient they are.  
How much better we'd work here, if only we knew it  
In that amateur spirit of wanting to do it.

Professionals weary sometimes and they shirk.  
Since they're paid to perform, they look on it as work.  
They begin with reluctance; they're glad when they're through-  
And they measure in money, whatever they do.  
But the amateur never begrudges a minute,  
He goes to the job for the joy that is in it.

So here's to the amateurs - brave hearted throng-  
Though short be their waves, may their lives all be long,  
May the wisdom they gain, and the joys which they reap  
Make up for the nights when they go without sleep;  
And may we - in their spirit and deep understanding  
Of work and its joy - keep our amateur standing.

\* \* \* \* \*

THANKS TO G. E.:

Lighthouse Larry, Editor of G. E. HAM-NEWS, is keeping MRAC supplied with back issues of his publications and other interesting publications. You'll find them on the table when you come to the meetings.

\* \* \* \* \*

DID YOU KNOW?

IONOSPHERE begins 50 miles above the earth and may extend 6,000 to 20,000 miles up instead of 200 as previously believed, says R. A. Heliwell, professor at Stanford University.

\* \* \* \* \*

The landlady brought in a plate of extremely thin slices of bread.  
"Did you cut these, Mrs. Brown?" asked the boarder.  
"Yes, I cut them," came the stern reply.  
"All right," said the boarder, "I'll deal."



RADIO PARTS DISTRIBUTOR

**IS AT A**

NEW LOCATION

RADIO PARTS CO.

1314 N. 7th St.

BR 6-4160

Just 1½ blocks north of W. Juneau Ave. on N. 7th St.

Free parking north of the building.

**Stop and see our new home.**

CHARLIE

STAN

ERNIE, W9QUN.



\*\*\*\*\*  
\*\*\*\*\*

" SPECIAL NOTICE TO MRAC MEMBERS "

In order that all members are again notified and due to the fact that this bulletin will not reach you until after Feb. 1st, the Board Of Directors at their Jan. 28th meeting, has extended the deadline for submitting your 1959 MRAC ACHIEVEMENT AWARD entry and / or your 1959 MRAC ANNUAL CONTEST AWARD entry, from Feb. 1st, to Feb. 15th, 1960.

For tabulating your score for the ANNUAL CONTEST AWARD, use the same system of points, (that portion pertaining to contests,) as set forth in the 1959 ACHIEVEMENT AWARD rules.

Send your entries to Ken Eggert, W9MOT, Chairman, and all entries must be received or postmarked by midnight Feb. 15th, 1960.

\*\*\*\*\*  
\*\*\*\*\*

RECEIVED  
FEB 15 1960

MAIL ROOM

RECEIVED

CENTRAL DIVISION A.R.R.L. CONVENTION

Why anyone, this early in the year, would want to plan to attend a convention should not be a great mystery--especially when the gang that will put on the convention are working every day to make the 1960 CENTRAL A.R.R.L. CONVENTION a REEELIE BEEG ONE.

Indianapolis will be the host city and the dates will be September 17th and 18th with the Indiana Radio Club Council as the host group. Many of our readers are familiar with the activities that are located in Indiana's capitol city, to name a few----- Western Electric, Regency, Mallory, The Indiana State Fair Grounds, The Indianapolis Speedway, and Butler University.

What with our new Northwest Tollway now opened all the way to U. S. 41 south of Hammond, Indiana, the drive down is simple, since all Chicago area traffic is eliminated completely, 41 has been modernized to Fowler, Indiana, from which it is only a short drive to La Fayette and on into Indianapolis.

More on this fine affair as plans begin to jell--but mark the calender now-----September 17th and 18th.

And---while you're marking, WAUSAU HAMFEST has been changed to May 21st, publicity for this one is now in preparation, word has it that it will be BIGGER and BETTER. Note (don't see how that is possible but we'll take the Wausau gangs word for it, they have always come up with a DANDY).

Jack Doyle, W9GPI  
Central Div. Director.

\* \* \* \* \*

M.R.A.C. FUTURE PROGRAMS,  
W9QYW, Program Chairman.

Feb.4- John Magnusson, W0AGD, of the E. F. Johnson Co., will speak on a variety of subjects pertaining to improvement of equipment performance and operating techniques.

Feb.11-Tentively scheduled. "The Story Of DX." (Note: Not to be confused with "MRAC DX NITE").

Feb.18-"The Invisible Enemy."

Mar.3- "Helping Keep Our Bands Clean".--Russell Burss, W9RKP.

Mar.10-"Slide Nite". Doug Pavek, W9FDX. (Is your slide in our file?)

Mar.17-Jim Taylor, K0SGY, of Collins Radio Co., will speak on S.S.B. simplified. Plus--a G.E. film, "Teacher Wore White."

\* \* \* \* \*

-----FLASH-----

On Feb. 10th from 10 to 11 pm the MRAC will sponsor a 10 meter "PHONE ONLY" contest, the West Allis Radio Club cooperating. Fire up your 6L6, dust the cobwebs off your mike and see how much fun you can have in our hour. Doug Pavek, W9FDX chairman. Ron Gorski, West Allis Club, co-chairman.



OLD MOBILES NEVER DIE, THEY JUST RUST AWAY  
(Don W9K2D)

She was in sad shape, her fenders pushed in, tires flat, radiator leaking as the derrick lifted her tired rusty body to rest among the outcasts. None of the others noticed her enter as they talked over their past. "I took my humans to California and back with only two flats", said an old Buick. An aged Nash rolled on its back and boasted of the winter trips to Florida. But the newcomer, not saying a word, thought of the many states that talked to her while she served her human and radio. Cars just like her, from forty-six states talked to her by the radio she so proudly protected for the last three years. It was a small radio, only fifteen watts but it had a big voice.

From the back of the yard, the high voice of a rusty MG shouted, "I came from England and I carried my human all through Canada, Mexico and all over the states". A dented Rolls Royce boasted in a deep voice about the good times he gave his owner in Italy, Switzerland and Germany. That's not so spectacular thought the old girl, why, just last month her radio was talking with South Africa, Puerto Rico and Chile, not to mention the twenty other countries.

She didn't utter a word as the old cars talked about their lives, boasting and bragging about one thing and another. No, her thoughts were of the service and enjoyment she gave during her short life. Of the time she so proudly rolled down the avenue in a home-coming parade, of the many times she checked into the Weather Net as she carried her human to work. She thought also of the hundreds of talks with other cars like her in and around the city.

And as the cool evening came on, thoughts of the warm "Aloha" from Hawaii, the gentlemanly greeting from England and the polite phrases from the southern neighbors gave her a great feeling of contentment. She was tired now, very tired as the dark of the night crept over the still junk yard.

\* \* \* \* \*

26TH ARRL DX COMPETITION

The "BIG ONE" coming up! The dates, Feb. 5th through 7th and March 4th through 6th for phone, with CW Feb. 19th through 21st and March 18th through 20th. Logs may be obtained from ARRL on request and please state whether phone or CW.

\* \* \* \* \*

BUSY MEMBERSHIP CHAIRMAN

Russ Burss, W9RKP, ole time DXer, is curious to know what happens to all the new HAMS around Milwaukee in regards to joining a radio club. His committee combed the new call book and sent a card to all the new amateurs, inviting them to MRAC with hopes that some interest would be stimulated in increasing the club's membership. Russ is also our new publisher for this bulletin and was instrumental in breaking down some of the barriers that held up publication and mailing and we hope that Hamateur Chatter will continue on schedule.



"OPERATION WORLDWIDE" PROGRAM MOST INTERESTING

Bud Drobish, W9QVA, of Hallicrafters, gave MRAC members a treat at the Jan. 21st meeting when he displayed their new gear, the HT-17, SX-111 and the TO electronic keyer. The latter is a smart piece of equipment for sending to replace the conventional "BUG". By holding the lever to either the dash or dot sides, the keyer does the work for you and the speeds can be regulated to your choice of speed. Bud was fortunate to take a trip recently around the world in an army plane and used Hallicrafters equipment for HAMING. This trip was arranged in conjunction with another project. While all the countries visited did not allow him to operate, he got a sizable amount of contacts. His pictures of interesting items around the World was very pleasing especially to the DXers who have worked those countries. Thanks to Hallicrafters for allowing Bud to be our guest. There was open house at Amateur Electronic Supply after the meeting where drinks and food was served.---Thanks to Steve and Terry.

\* \* \* \* \*

REMINDER

A reminder to MRAC members. If you have amateur or electronic gear to sell, swap or buy, free space is available in this publication. Limit your ad to two lines and insertion subject to editors approval. PLEASE, "NO JUNK".

\* \* \* \* \*

STRAYS

Z96IF, Lambert, recently spent his one week vacation in Z88-land and operated portable there to give many of the DX-ERS another hard to get country. Running 50 watts and operating alone he racked up 1358 qso's over a seven day period. He used CW on 10, 15 and 20. 950 of his qso's were with W/K stations and he worked 63 countries. A fine job of operating.....de W9RKP

\* \* \* \* \*

V.H.F. NOTE

Watch for KG1FN on 50.04 MC from FLETCHERS ICE ISLAND, T3. Operation expected early in February.

\* \* \* \* \*

QSL CARDS HELD BY JIM K9CJK

W9RUH KN9QKM K9OXH K9KKY KN9QHW KN9QWX W9HDT K9MED K9JPZ  
KN9RTD KN9QYA KN9RGY K9AWB W9EWW K9PSU KN9UJU KN9R88 KN9TYD  
K90QZ W9VVQ W9KWH W9ZAD K9RTO KN9TQW KN9SCQ K9MHG K9MKJ  
KN9TID and K9CMP.



"RADIO HAMS HELP MARCH -OF-DIMES"

By  
WALT GLISH, W9YYW

Here is a report of Amateur participation in "OPERATION TV" on Jan. 16th and 17th in conjunction with the WISN-TV "March-of-Dimes" Telethon. The amateur operation was planned and organized almost single-handedly by Warren Zastrow, K9RCP, who also served as telephone liason between the TV studio and Net Control Center, and as chauffeur for several of the visiting celebrities.

The Net Control Center was set up at the Milwaukee Boy's Club and operated under the call, W9PZI. The transmitter used was a B&W 5100, furnished through the courtesy of Amateur Electronics, the receiver, a Hallicrafters SX-71, and the antenna a ground-plane, were furnished by K9EMO.

It is estimated that twenty-eight amateurs participated, at least five of these being MRAC members. Seventeen are also regulars of the Milwaukee Lake Shore Emergency Net. Approximately ninety pledge pickups were handled and an estimated two thousand dollars was turned in by the mobile units.

Following is a list of the participating amateur operators:  
Mobile Stations: W9APP, W9BCK, W9CUW, W9CXE, K9GNJ, W9HAX, K9IAC, K9ILV, K9KBE, W9KQB, K9MDF, K9OUA, K9RCP, K9SFJ, W9VBA, W9WYW, and W9ZDU.

Mobile Operator Assistants: K9CUI, K9HAM, W9RUH, and possibly others who were not logged in during the operation.

Net Control Personnel: K9EMO, K9IMD, K9LGY, W9VGZ and W9YYW.

Fixed Relay Stations: K9HRE, K9GQZ and W9RUJ.

The ten-meter skip was wonderful, driving conditions were horrible, "No-Doze" pills were selling at a premium, and everyone had a wonderful time.

\*\*\*\*\*

\* HAM ADS \*

FOR SALE: TA-33, Mosley Tri-Band beam and 40 foot Rohn Tower-W9KEJ

FOR SALE: BC-348P Receiver, never used, with new power supply components and instruction manual.-- W9RKP

\*\*\*\*\*

"TICKLERS"

The largest room in the world is the room for improvement.

\*\*\*

A true music lover is a man who, upon hearing a soprano in the shower, puts his ear to the keyhole.

\*\*\*

"Some people are like owls. They get the reputation for being wise by just hooting at everything."

\*\*\*

"Officer, which of the traffic signs on our highways do automobile drivers obey best?"

"Resume speed."



A & F ELECTROMART  
1616 South 81st Street  
Milwaukee 14, Wisconsin.

PHONE: GL 3-0980

\*\*\*\*\*

USED EQUIPMENT

Hallcrafters 8-77...Good Condition.....	\$ 59.95
Lakeshore Signal Splitter.....	29.95
Lakeshore VFO.....	89.00
EICO Model 720.....Perfect.....	69.00
Hallcrafters 8-38 series..(Prices start at).....	25.00
James C-1470 Power Supply.....New.....	49.00
NC-240 D...With Speaker.....Excellant.....	99.00
Johnson Pacemakers.....Excellant Condition.....	295.00
HQ-110C.....Very Good.....	175.00
HRO ..Old Model..(Very Poor).....	25.00
Gonset G-33..Demonstrator.. Closeout At.....	65.00
Central 10A & VFO.....	70.00
Central 10B & VFO..Factory Wired, Like New.....	119.00
Hallcrafters SX-96.....Good.....	169.00
Gonset Comm. III..Used, Perfect..(6 Meters).....	199.00
Gonset Comm. III..NEW Display Model..(6 Meters).....	240.00
Gonset 3 Element..Tribander, Improved Model..NEW.....	95.00
HQ-145C.....Perfect Condition.....	229.00
Gonset GSB-100...Display Model (Never Plugged In).....	449.00
Gonset G-66 & Mobile Supply....New, Closeout.....	189.00
National NC-188.....Excellant.....	99.00
National NC-109.....Very Good.....	119.00
Johnson Viking II.....Factory Wired, Perfect.....	179.00
Johnson Viking VFO.....Good.....	29.00
Johnson Ranger.....Good Condition.....	179.00

\*\*\*\*\*

WATCH FOR THE FOLLOWING NEW ITEMS IN STOCK SOON.

Elmac's New Transmitter..(Including 6 Meters).....	\$209.95
RME's New 6900 Receiver.....	349.00
SX-110.....	159.95
HQ-180.....	429.95

"FEBRUARY ONLY SPECIAL"

Coaxial Connectors--Pl259 or 80-239.....\$ .39

\*\*\*\*\*

STORE HOURS

Daily 9:00 A.M. to 6:00 P.M.  
Thursdays until 9:00 P.M.  
Saturday until 3:00 P.M.

Call GL 3-0980 for any further information. A Phone Call may save you money. --Ask for Fritz or Loren.

MRAC CODE AND THEORY CLASS

By  
Arlan Bowen

Beginning on October 7, 1959, the MRAC began a series of classes designed to help interested beginners learn the requirements for a General Class license. Classes have been conducted for one hour preceeding each club meeting. Initial enthusiasm was high with as many as 24 people attending the first classes. The major subject has, of course, been the code. At this writing, most of the group has learned the code and can receive at the rate of 6-8 WPM. Beginning with the Feb 4th meeting, the emphasis will be switched to theory, with short sessions of code practice mixed in.

Classes of this type are subject to a high drop-out rate and ours has been no exception. Of the 24 or so "enthusiastic" beginners, less than ten remain. Of these, at least six should qualify for the general license later in the spring.

This has been the first attempt, in recent years at least, in conducting this type of class. Many things have been learned which will benefit future classes should the club decide to continue this activity. A full report will be rendered upon completion of the course. The instructors have been: Ink Bowen, W9QYW, Charlie Porch K9ENB and Jack Doyle W9GPI.

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MRAC DX COMMITTEE REPORT

By  
Jim Buth, K9CJK

As the year 1959 came to a close, I looked back through the logs, DX magazines and DX reports and came up with the conclusion that it was a good year for DX.

What were some of the things that made it a good year? Number one, more DX-peditions were planned and completed. Number two, increased activity in foreign countries by their local hams. Number three, the sharp increase in SSB operation from countries where little or no operating was done before. Number four, more DX stations appointed stateside QSL managers to handle their QSL's, making it easier to get their cards. Number five, ARRL added a few more new countries to the ever-growing list of DX countries possible to work. Number six, last but not least, conditions were generally good most of the year, with a slight decline the past few months.

Now don't get me wrong, it wasn't all peaches and cream. There were a few rough spots along the way, but the good times overshadowed the bad. Year end totals look like this: MRAC now has 21 members holding DXCC, with Pat Shanahan, W9UNJ being the last to receive the honor. The number of WAZ members is up to 6, the most recent certificate #1189 going to K9CJK.

The newest members of the DX committee are Joe Kircher, W9NRX and Jack Kunath, W9OMY.

Gary Olson, W9YZG has followed in the footsteps of W9UDK and W9VOD. Upon completion of high school last June, Gary hung up his headphones and went off to college.

DX nite at the club will be held sometime in March or April.

SAD NEWS: Sad news to DXer's around the world was the fire that broke out at the QTH of Don Chesser, W4KVX on Nov. 28th 1959. The fire destroyed all of Don's printing equipment, his rig, and the

cont. on page 7



building he occupied. His house trailer was damaged but the firemen managed to save it. The weekly DX MAGAZINE published by Don carried current DX news, operating tips and QTH's. We all hope Don gets back on his feet soon and back on the air before too long.

GOOD NEWS! Good news comes from the YASME News Magazine, which reports a new boat the YASME III has been purchased. Danny has sailed the craft from Fort Lauderdale to Tampa, Fla. where it will be refitted. After the boat is ready and Danny sets sail he will have two crewmen ZLLAV and W2HQL to assist him on his round the world tour. Dust off your mike and oil your key, it shouldn't be long now.

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**\*\*\* JUST 50 TO GO \*\*\***

Fred Zolin, W9ONY/M, worked his 49th and 50th countries by recently hooking VP8CX and PZ1AA.

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ANNUAL OLD-TIMERS NIGHT

MRAC's celebration for the old-timers was held at the usual place, Pabst Blue Ribbon Hall, on Dec. 29th 1959. Lots of new faces showed up and the good fellowship of the old hams was joyfull. The main event of the evening was the honoring of Clarence Crapo, W9VD, for his 40 years of faithful service to the club. Vice President Russell Burss, W9RKP, presented him with an engraved plaque. Joe Kärcher, W9NRX, was made a Life Member. The hospitality of Pabst brewery was appreciated and many thanks to the girls who served us.

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SUMMARY OF CONTEST RESULTS, M.R.A.C. MEMBERS 1959

ARRL DX CONTEST, FEB. & MAR.

-- CW --

W9GIL--430,155 points	W9UNJ--15,515 points
W9QYW--260,172 "	W9YZG-- 8,979 "
W9RKP--120,600 "	W9KQD-- 8,208 "
W9KEJ-- 41,184 "	K9ENB-- 6,000 "
W9LVR-- 38,115 "	W9FDX-- 5,040 "
W9DYG-- 34,917 "	W9MDG-- 48 "

-- PHONE --

W9GIL--135,888 points, K9cjk--2,883 points, W9RKP--2250 points

YL/OM CONTEST

Feb. & March.

OM-CW	OM-Phone	YL/CW
W9DYG-1938 points	W9RKP-750 points	W9OMZ- 266 points
W9RKP-1440 "		
W9CHD- 698 "		

W/VE CONTEST

-- SW --

W9UNJ---35,576 points	W9RKP---35,089 points
	W9CHD---21,985 "

(cont. on page 8)

AMATEUR ELECTRONIC SUPPLY - 3832 W. LISBON-MILWAUKEE 8, WISC.Barker & Williamson

5LSB Sideband Generator	\$140
5100S with 5LSB SSB Gen.	400
Babcock MT5A Mobile Transmitter	50
<u>Central Electronics</u>	
20A, Rack Mounted & QT-1	170
20A SSB Transmitter & QT-1	185
Model B Slicer	45
600L Broadband Final	270
AP-1 Adaptor	4
BC 458 VFO in Cabinet	25

Collins

KWM-1 Transceiver, Ser. #152	500
KWM-1 Transceiver, Ser. #70	485
75A-1 Receiver	260
75A-4 Receiver, Ser. #793	475
Lico 221 VTVM Meter	20
Eldico SSB 100M Mobile, Demo-new	295

Electro-Voice

RME-4300 Receiver, As Is Special	110
HF-1030 Pres-selector	25

Elmac

AF-67 Mobile Transmitter	120
A-54 Mobile Transmitter AS IS	45
PMH-6 Mobile Receiver	65
PMR-7 Mobile Receiver, Black Facel	110

Geloso G-212-Th Italian Trans. -

New Demo Unit, Will Trade Extra High

Globe

Globe Scout 65A Phone/CW Trans.	45
2 & 6 Meter Hi Bander Transmitter -	
New Display - Will Trade High	
Globe Chief 90 CW Transmitter	37
Globe Chief 90A CW Transmitter	40
AT-3 Matcher, Jr.	8
LA-1 Lincar	70
Globe Scout 680 Phone/CW Trans.	65-70
Globe Scout, Early Model with	
Plug In Coils	20
DSB-100 Double Sideband Trans.	90
Vox-10 for DSB-100	15
Screen Modulator	7

Gonset

3063 VHF 2M Linear	95
3012 152-152 mc Conv. A-1	50
GPP-1 Phone Patch	
Communicator II for 2 Meters	135-145
Communicator III for 6 Meters	200
G-66B Mobile Receiver	150
3-way Power Supply for above	25
G-11 Citizens Band Units - Display	
units. Specially priced at	89

Harvey-Well's

TBS-50 Mobile Transmitter	45
TBS-50D Mobile Transmitter	55

Hallcrafters

HT-32 Esciter	\$490
HT-32A Exciter	520
SX-42 Receiver, Fair Condition	115
R-46 Speaker	9
R-46B Speaker	11
SP-44 Panadaptor	39
SX-62 FM/Short Wave Receiver	124
SX-71 Receiver w/15 meters	129
Sh-75 Transmitter & Receiver	45
SX-100 Receiver	210 - 225

Hammarlund

HQ-110 Dual Conv. Ham Band Recv.	170
HQ-100C Gen. Cov. with clock	139
HQ-120 Receiver, As Is, Special	50
HQ-120 Receiver, Very Clean	100
HQ-140X Receiver, Very Clean	160
HQ-129X Receiver	139

Heath

VF-1 VFO	17
DX-100, Special	150-170
DX-20	32

James

M-1050 Power Supplies	15-35
C-1450 Power Supply, As Is	25

Johnson

Viking Courier Linear	195
Viking II Transmitter	160 - 170
Viking VFO	28
Viking Challenger 80 thru 6	109
Viking 500, New Display Unit, Will	
Trade Extra High	
Viking Ranger Transmitters	185 - 225
Viking Mobile, Very Clean	65
Viking Mobile VFO	23
Viking Thunderbolt, wired from	
A Kit	350
Viking Thunderbolt, Factory Wired	440

Lakeshore

Phasemaster Deluxe with VOX	95
Bandhopper VFO, A-1 Condition	75
Phasemaster Jr. with Vox, As Is	35
Signal Splitter	20
P-400GG Grounded Grid Linear	110
Learadio AMT-12 LF Pilot Transmtr.	8
Master Mobile Match Master	9

Morrow

MBH-5 Receiver, Mobile	125
MB-565 New Display Unit - Special	180
MB-6, New Receiver - Special	170

P & H

VFO-Matic, 8020 - New Display	80
LA-400 Linear	100
600A 6 Meter SSB Converter	30
Palco DC Supplies, As Is	8



### National

NC-57 Receiver	\$ 50
NC-98 Receiver	105
NC-125 Receiver	109-119
NC-188 Receiver, Special	95
NC-300 Receiver	250
NC-300 6 Meter Converter	23
NC-300 2 Meter Converter	24
Precise 909 VTVM	20
Precision 612 Tube/Bttry. Tester	59

### RCA

WF-12A Geiger Counter	45
WA-53A FM Sweep Generator	25
Regency ATC-1 Transistorized Mobile Converter	45

### Tecraft

CC5-144 2 Meter Converter	\$ 23
CC5-50 6 Meter Converter	24
The 50 6 Meter Transmitter	34
2 Meter Miniverter	15
<u>Surplus &amp; Miscellaneous Home Brew</u>	
BC-458 VFO	5
BC-1335A Transceiver, Good Dondx.	20
Model 15 Teletype, Keyboard	120
Model 15 Teletype, No Keyboard	110
Model 26 Teletype, Special	60
Home Brew Power Supplies	1-5
AR-13 Transmitter	35
Home Brew AC Sup. for Morrow Twins	10

### SPECIALS - ALL BRAND NEW EQUIPMENT

Globe Scout 680A Kit - Will Trade Extra High, Regular Price \$99.95  
Globe Scout 680A Factory Wired Unit, Will Trade Extra High, Regular \$119.95  
Lakeshore Phasemaster IIB SSB Exciter - Will Trade Extra High, Regular \$459.00

SAVE!

STEELMAN PHONOGRAPHS

SAVE!

We have a limited selection and quantity of Steelman Stereophonic Portable and Console Phonographs in stock that were left over from the Christmas Season. These will be sold out at 10% off the regular wholesale price. If you're not interested, perhaps you know of someone looking for a good buy.

### CLOSED THURSDAY EVENINGS IN JUNE, JULY AND AUGUST

Due to summer vacations, we will not be open Thursday evenings as usual, during the months of June and July and August. However, we will be open Monday and Friday evenings from 7 to 9.

Our Part-Time salesman, Fred Foss, W9TRU, 308 Davidson, Madison, Wisconsin, has the following equipment for sale:

6 Volt Battery Charger	\$ 9	BC-458 VFO	\$ 24
Lakeshore Phasemaster II	175	WRL Screen Modulator	5
PE-103 Dynamotor	6	Johnson Valiant, A-1 Condition	350
Globe Scout 40A	42	Hammarlund HQ-110 Receiver	189
Hallicrafters HT-33 Final	339	Stancor 10 Meter Mobile	20
National NC-300 Receiver	239	Johnson Courier	185
WRL VFO, Model 755	35	Collins 32V-2	250
Globe Chief 90	37	New Collins 75A-4 Receiver	695

Contact Fred directly, preferably in the evenings and on weekends. Phone, Cherry 4-0677.

The following equipment is available at Harris Radio Corporation, 111 North Tenth Street, Manitowoc, Wisconsin:

Hallicrafters S-38 Receiver	28	Heath DX-35 Transmitter	45
R-44 Speaker	10	Heath AR-3 Receiver	35
Hallicrafters SX-99 Receiver	109	Johnson Ranger	210
Hallicrafters SX-100 Receiver	225	Lakeshore Signal Splitter	20
Hammarlund HQ-100 Receiver	135	National SW-54 Receiver	30

(cont. from page 7)  
MRAC 3.5 MC CW CONTEST  
April 5th

-8-

W9RKP--286 points	K9GDF--234 points	W9KQD--120 points
W9DYG--280 "	K9DTK--220 "	K9CJK-- 72 "
W9CHD--240 "	W9FDX--140 "	K9EJZ-- 18 "

ARRL SS CONTEST  
(Nov.)

\*\*CW\*\*

W9QYW--143,200 points	W9LVR--65,700 points	W9DYG--13,500 points
K9CAN-- 85,000 "	K9ENB--54,450 "	W9UNJ-- 5,680 "
W9RKP-- 74,900 "	W9FDX--48,511 "	W9CHD--39,045 "
K9GDF-- 72,960 "	W9KQD--27,800 "	
	-PHONE-	
W9DOS--9,046 points	W9ONY/M-7920 points	K9CJK--6,048 points

--WIS.STATE QSO PARTY--

<u>-PHONE-</u>	<u>-CW-</u>	<u>-CW&amp;PHONE-</u>
K9CJK--2760 points	K9DTK--1634 points	W9SAA--4466 points
W9DOS--1024 "	W9RKP--1520 "	W9LVR--3666 "
W9KJW-- 945 "	W9QYW-- 682 "	W9FDX--1352 "
W9CJO-- 897 "	K9ENB-- 288 "	* W9CHD--1036 "
W9NRK-- 796 "		W9DYG-- 696 "
W9HDW-- 110 "		

(Note: W9CHD, operated CW only)

-MOBILE-  
W9KQD/M-786 points

-NOVICE-  
KN9RZB--108 points  
KN9TTQ-- 42 "

-CQ DX CONTEST-  
(Nov.)

CW  
W9RKP--960 points

NOTE: If any scores of members have been omitted from the above summary, it is only because of inability to secure the information prior to publication.--W9RKP

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VARIETY SPICES FCC ENGINEERS' LIVES

Unknown to her parents, a Missouri ten year old wrote President Eisenhower that ham radios were disturbing her family's TV reception on weekends. "I get so mad that sometimes I wish I could take an axe and smash every ham radio," the little girl declared. The girl's father told an investigating FCC field engineer that the only interference the family had encountered in their TV reception had occurred several weeks prior to the complaint and that it had disappeared upon the purchase of a new TV set.

This is but one of a number of incidents cited in an FCC release, which recounts some of the multiple activities of commission field engineers the past year.

(cont on page 9)



### Among other FCC experiences:

The refrigerator in a neighbor's apartment was ruining his AM reception, a New York apartment dweller confided to an FCC engineer and a police officer and that was why he was using an old sparking commutator motor, the cause of radio-tv interference to sixty families in three apartment houses. A warning from the engineer and policeman was sufficient to bring the return of normal reception to sixty-one radio and tv sets, the FCC stated.

In St. Louis, a high school teacher, interested in radio "but not to the extent of seeking a license," concealed his identity and using various domestic and foreign call signs, operated on an amateur frequency in experimenting with different types of antennas and transmitters. The teacher told FCC engineers that his scholastic chores prevented him from taking the license examination. But, the commission reported, "he found time to dismantle his station."

Many people, according to the FCC, appear to be talking to themselves during a horse race. Thus commission interception of the transmission of racing results, through the use of a miniature transmitter built into a man's clothing, proved once again that such clandestine operations are hard to detect.

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### RADIO INTERFERENCE FROM PLASTIC HEATERS

The Federal Aviation Agency and the FCC have been cooperatively tracking down sources of interference to the Aeronautical Service frequencies. In a recent report it was stated that "plastic heaters" are proving to be the most common source of trouble. These machines are used to assemble or "sew" plastic articles such as raincoats, brief cases, etc, and are licensed to operate at about 75 mc. In practice the frequencies vary from 15 to 40 mc and have a very high harmonic content. RF power ratings vary from  $3\frac{1}{2}$  to 10 kilowatts.

Although the report dealt primarily with interference in the 108 and 135 mc band, this type of interference may also be an existing or potential source of trouble in all radio bands from 30 to 500 mc. It is characterized as a hum or buzzing noise drifting through the narrow band mobile channels.

Efforts are being made through the Society of Plastic Industry to advise owners of such equipment about this interference problem and the need for adequate grounding and shielding. Should you encounter interference to your radio systems the local FCC Field Engineering Office should be advised, and cooperative steps can be taken to identify the source to eliminate the problem.

(Radio Notes- Amer. Telephone and Telegraph Co.)

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Publishers Note: As this is my first attempt at publishing this bulletin, there are no doubt a few errors, which I trust our readers will overlook. Your comments or criticism will be welcomed, and now if our machine holds up I shall attempt to get this bulletin printed and mailed to you, which, after all, is the important thing.-Russ.



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NATIONAL NC 300, 6 METER CONVERTER.....NEW.....	34.95
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LYSCO MODEL 600 TRANSMITTER, WITH VFO..NEW.....	90.00
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WE HAVE IN STOCK THE CRYSTALS AND COMPONENTS FOR THE CITIZEN'S  
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JUST ARRIVED, NEW, FRESH STOCK,-----RG 11-U, 72 OHM COAX CABLE  
"FEBRUARY ONLY", SPECIAL, 8 CENTS PER FOOT, \$.50 PER 100 FEET.

W98YT--WENDELL

73

W9NEG--HAROLD

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"Tell us you saw it in HAMATEUR CHATTER!"



**THE**

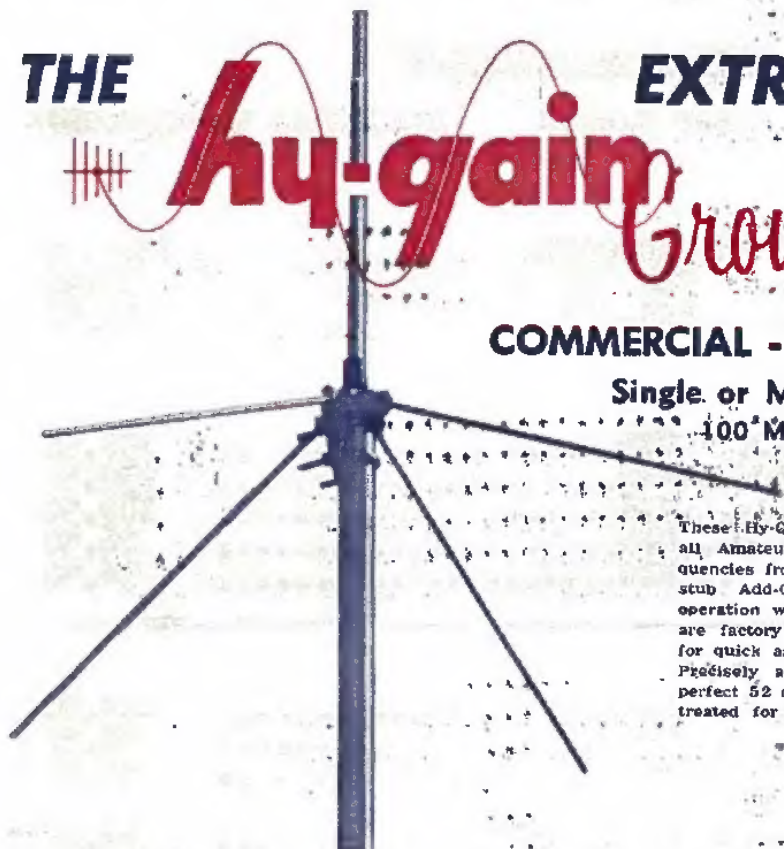
# Hy-gain Ground Planes

**EXTRA HEAVY DUTY**

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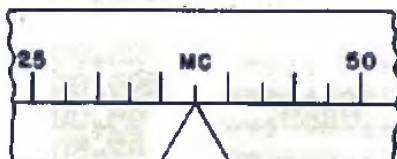
**Single or Multi-Frequency Operation**

**100 MILE PER HOUR RATING**



These Hy-Quality, Hy-Gain Ground Planes are designed to cover all Amateur, Commercial and Citizens Band communications frequencies from 25 through 500 mc. Especially designed decoupling stub Add-On Kits available, making possible multi-frequency operation with a single feed line. The antennas and Add-On Kits are factory pre-tuned and complete with easy-to-follow directions for quick assembly on any single or multiple frequency (up to 4). Precisely adjusted drooping ground plane radials make possible perfect 52 ohm match. All hardware hot dip galvanized and tridite treated for maximum weather ability.

Input Impedance: 50 ohms  
Coaxial Termination: Type SO239  
Maximum Power Input: 1,000 watts  
VSWR: Less than 1.2:1 at Resonance  
Unity Gain



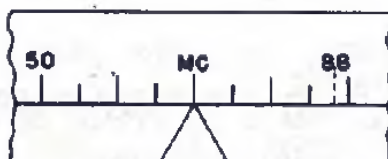
**MODEL GP-1**

Net **\$29<sup>95</sup>**



**GP-1**

Radiator and ground plane radials telescoping  $\frac{1}{4}$ " and  $\frac{5}{8}$ " heavy wall aluminum tubing type 6061T6 heat treated alloy. Heavy duty cyclocac base insulator and heavy universal base casting. Fits all mast diameters up to 1 $\frac{1}{2}$ ".



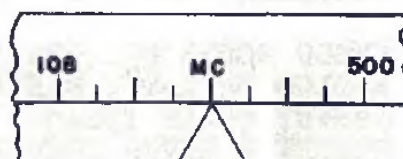
**MODEL GP-2**

Net **\$16<sup>95</sup>**



**GP-2**

Radiator and ground plane radials telescoping  $\frac{1}{4}$ " and  $\frac{5}{8}$ " heavy wall aluminum tubing type 6061T6 heat treated alloy. Polyethylene base insulator and heavy universal base casting fits all mast diameters up to 1 $\frac{1}{2}$ ".



**MODEL GP-3**

Net **\$12<sup>95</sup>**



**GP-3**

Radiator  $\frac{1}{4}$ " and  $\frac{5}{8}$ " heavy wall aluminum tubing type 6061T6 heat treated aluminum alloy. Ground radials  $\frac{1}{4}$ " diameter solid aluminum rod.

## **MULTI-FREQUENCY ADD-ON DECOUPLING STUB KITS**

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